| Ref<br># | Hits   | Search Query  | DBs  | Default<br>Operator | Plurals | Time Stamp       |
|----------|--------|---|--|---------------------|---------|------------------|
| L3       | 19     | (("0891957") or ("352051776") or ("5238855") or ("6256926") or ("407215798") or ("10045461") or ("2000159572") or ("2000164572") or ("2000247726") or ("200162209") or ("9920812") or ("0100901") or ("0142526")).PN. | EPO; JPO;<br>DERWENT   | OR                  | OFF .   | 2007/08/29 15:44 |
| S1       | 2      | "20020018921"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF<br> | 2006/10/04 17:47 |
| S2       | 2      | "20010003271"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/10/04 17:48 |
| S3       | 2      | "20040067392"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/10/04 17:48 |
| S4       | 629894 | alumina or ("al.sub.2 o.sub.3") or<br>(("Al" or aluminum) with oxide) or<br>"alumina" or "aluminum oxide"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/03/06 16:39 |
| S5       | 69432  | S4 and ((RE or "rare earth") with oxide) or "Lanthane" or "lanthanide" or "lanthanum oxide" or "La.sub.2 O.sub.3" or (("La" or Lanthanium) with oxide)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/03/08 11:29 |

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| S6  | 19247                                 | S5 and (semiconductor or chamber)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON . | 2007/03/06 16:46 |
| S7  | 2052                                  | S6 and "428"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2007/03/06 16:47 |
| 58  | 221                                   | S6 and 428/701.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON   | 2007/03/08 11:32 |
| S9  | 629894                                | alumina or ("al.sub.2 o.sub.3") or<br>(("Al" or aluminum) with oxide) or<br>"alumina" or "aluminum oxide"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2007/03/07 12:39 |
| S10 | 69432                                 | S9 and ((RE or "rare earth") with oxide) or "Lanthane" or "lanthanide" or "lanthanum oxide" or "La.sub.2 O.sub.3" or (("La" or Lanthanium) with oxide) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2007/03/07 12:39 |
| S11 | 19247                                 | S10 and (semiconductor or chamber)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON   | 2007/03/07 12:39 |
| S12 | 221                                   | S11 and 428/701.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2007/03/07 14:03 |

| S13 | 200    | S11 and 428/701.ccls. and substrate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | ON | 2007/03/07 14:03 |
|-----|--------|---|--|---------|----|------------------|
| S14 | 629894 | alumina or ("al.sub.2 o.sub.3") or (("Al" or aluminum) with oxide) or "alumina" or "aluminum oxide"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR .    | ON | 2007/03/07 18:25 |
| S15 | 69432  | S14 and ((RE or "rare earth") with oxide) or "Lanthane" or "lanthanide" or "lanthanum oxide" or "La.sub.2 O.sub.3" or (("La" or Lanthanium) with oxide) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | ON | 2007/03/07 18:25 |
| S16 | 19247  | S15 and (semiconductor or chamber)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR<br>, | ON | 2007/03/07 18:25 |
| S17 | . 200  | S16 and 428/701.ccls. and substrate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | ON | 2007/03/07 18:25 |
| S18 | . 17   | S17 and gamma   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS                                      | OR .    | ON | 2007/03/07 18:26 |
| S19 | 630242 | alumina or ("al.sub.2 o.sub.3") or<br>(("Al" or aluminum) with oxide) or<br>"alumina" or "aluminum oxide"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | ON | 2007/03/08 11:29 |

| S20 | 59943 | S19 and ((RE or "rare earth") with oxide) or "Lanthane" or "lanthanide" or "lanthanum oxide" or "La.sub.2 O.sub.3" or (("La" or Lanthanium) with oxide) and (gamma adj2 alumina) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/08 11:30 |
|-----|-------|--|--|----|----|------------------|
| S21 | 400   | S20 and 428/701.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/08 11:31 |
| S22 | 69487 | S19 and ((RE or "rare earth") with oxide) or "Lanthane" or "lanthanide" or "lanthanum oxide" or "La.sub.2 O.sub.3" or (("La" or Lanthanium) with oxide)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/08 11:32 |
| S23 | 19278 | S22 and (semiconductor or chamber)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/08 11:32 |
| S24 |       | S23 and 428/701.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/08 11:32 |
| S25 | 3.    | S24 and (gamma adj2 (alumina or "aluminum oxide"))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/08 11:33 |
| S26 | 2657  | ((alumina or (aluminum adj2 oxide) or ("al.sub.2" "o.sub.3")) with substrate) and (yttria same (coat or coating or layer or "corrosion-resistant" or interlayer))                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/21 14:53 |

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|-----|--------|---|--|----|------|------------------|
| S27 | 279844 | "428"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/08/21 14:53 |
| S28 | 823    | S27 and S26   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/08/21 15:03 |
| 529 | 88876  | "118"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/08/21 15:07 |
| S30 | 2797   | 428/701.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON . | 2007/08/21 15:08 |
| S31 | 3793   | 428/702.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/08/21 15:08 |
| S32 | 93731  | S29 or S30 or S31   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON . | 2007/08/21 15:08 |
| S33 | 7132   | S32 and (alumina or (aluminum adj2 oxide) or ("Al" with oxide) or ("al.sub.2 o.sub.3")) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/08/21 15:12 |

| S34 | 1231  | S32 and (alumina or (aluminum adj2 oxide) or ("Al" with oxide) or ("al.sub.2 o.sub.3")) and (yttria or (yttrium with oxide) or ("y.sub.2 o.sub.3"))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2007/08/21 15:14 |
|-----|-------|--|--|------|-----|------------------|
| S35 | 809   | S32 and (alumina or (aluminum adj2 oxide) or ("Al" with oxide) or ("al.sub.2 o.sub.3")) and (yttria or (yttrium with oxide) or ("y.sub.2 o. sub.3")) and (percent or "%" or "wt. %")                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2007/08/21 15:15 |
| S36 | 763   | S32 and (alumina or (aluminum adj2 oxide) or ("Al" with oxide) or ("al.sub.2 o.sub.3")) and (yttria or (yttrium with oxide) or ("y.sub.2 o.sub.3")) and (percent or "%" or "wt.%") and (substrate or base or bottom)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON  | 2007/08/21 15:26 |
| S37 | 545   | S32 and ((substrate or base or bottom) same (alumina or (aluminum adj2 oxide) or ("Al" with oxide) or ("al.sub.2 o.sub.3"))) and (yttria or (yttrium with oxide) or ("y. sub.2 o.sub.3")) and (percent or "%" or "wt.%") | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON. | 2007/08/21 15:27 |
| S38 | 411   | S32 and ((substrate or base or bottom) with (alumina or (aluminum adj2 oxide) or ("Al" with oxide) or ("al.sub.2 o.sub.3"))) and (yttria or (yttrium with oxide) or ("y.sub.2 o.sub.3")) and (percent or "%" or "wt.%")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2007/08/22 11:30 |
| S39 | 88876 | "118"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ÖN  | 2007/08/22 11:31 |
| S40 | 2797  | 428/701.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2007/08/22 11:31 |

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|-----|-------|--|--|------|-----------------|------------------|
| S41 | 3793  | 428/702.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON              | 2007/08/22 11:31 |
| S42 | 93731 | S39 or S40 or S41  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON              | 2007/08/22 11:31 |
| S43 | 188   | S42 and ((substrate or base or bottom) with (alumina or (aluminum adj2 oxide) or ("Al" with oxide) or ("al.sub.2 o.sub.3"))) and (yttria or (yttrium with oxide) or ("y.sub.2 o.sub.3")) and (percent or "%" or "wt.%").clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON              | 2007/08/27 09:31 |
| S44 | 51    | billieres.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON              | 2007/08/25 17:34 |
| S45 | 4     | billieres.in. and yttria   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON              | 2007/08/25 17:37 |
| S46 | 109   | simpson.in. and yttria   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON              | 2007/08/25 17:37 |
| S47 | .24   | simpson.in. and yttria and matthew   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR , | ON <sub>.</sub> | 2007/08/25 17:37 |

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|-----|---------------------------------------|---|--|----|-----|------------------|
| S48 | 88897                                 | "118"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/27 09:31 |
| S49 | 2799                                  | 428/701.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/27 09:31 |
| S50 | 3797                                  | 428/702.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  |                  |
| S51 | 93756                                 | S48 or S49 or S50   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/27 09:31 |
| S52 | 411                                   | S51 and ((substrate or base or bottom) with (alumina or (aluminum adj2 oxide) or ("Al" with oxide) or ("al.sub.2 o.sub.3"))) and (yttria or (yttrium with oxide) or ("y.sub.2 o.sub.3")) and (percent or "%" or "wt.%") | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/27 16:16 |
| S53 | . 0                                   | ("9731534").PN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/08/27 09:44 |
| S54 | 112                                   | ((substrate or base or bottom) with (alumina or (aluminum adj2 oxide) or ("Al" with oxide) or ("al.sub.2 o. sub.3"))) and (yttria or (yttrium with oxide) or ("y.sub.2 o.sub.3")) and (percent or "%" or "wt.%")        | EPO; JPO;<br>DERWENT   | OR | ON  | 2007/08/28 13:50 |
| S55 | 1                                     | ("20020018921").PN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/08/28 13:51 |
| S56 | 6                                     | ("2002/0018921").URPN.  | USPAT ·  | OR | OFF | 2007/08/28 13:51 |

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|-------|------|---|---------------------------------------|-------|-----|------------------|
| S57   | 6    | ("20020018921"   "20030049499"  <br>"5560993"   "6143060"   "6383964"<br>  "6447937").PN. OR ("6794047").<br>URPN.                            | US-PGPUB;<br>USPAT;<br>USOCR          | OR .  | OFF | 2007/08/28 17:03 |
| S58 · | 1    | ("20020018921").PN.   | US-PGPUB;<br>USPAT;<br>USOCR          | OR .  | OFF | 2007/08/28 16:55 |
| S59   | 261  | hirotake.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS | AND . | ON  | 2007/08/28 16:56 |
| S60   | 25   | hirotake.in. and yttria   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS | AND   | ON  | 2007/08/28 16:56 |
| S61   |      | hirotake.in. and yttria and (reacted with layer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS | AND   | ON  | 2007/08/28 16:56 |
| S62   | 15   | ("20010003271"   "20020177001"  <br>"5783907"   "5798016"   "6071627"<br>  "6294260"   "6383964"  <br>"6447937").PN. OR ("6783875").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR          | OR    | OFF | 2007/08/28 17:04 |
| S63   | 12   | S62 and yttria  | US-PGPUB;<br>USPAT;<br>USOCR          | OR .  | ON  | 2007/08/28 17:05 |
| S64   | . 12 | S62 and yttria and alumina  | US-PGPUB;<br>USPAT;<br>USOCR          | OR    | ON  | 2007/08/28 17:05 |
| S65   | 11   | S62 and yttria and alumina and substrate  | US-PGPUB;<br>USPAT;<br>USOCR          | OR    | ON  | 2007/08/29 15:42 |